

Zeitschrift: Boissiera : mémoires de botanique systématique
Herausgeber: Conservatoire et Jardin Botaniques de la Ville de Genève
Band: 71 (2017)

Artikel: Taxonomic treatment of Abrahamia Randrian. & Lowr : a new genus of Anacardiaceae from Madagascar
Autor: Randrianasolo, Armand / Lowry, Porter P. / Schatz, George E.
Kapitel: 12: Abrahamia humbertii
DOI: <https://doi.org/10.5169/seals-1036071>

Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. [Mehr erfahren](#)

Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. [En savoir plus](#)

Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. [Find out more](#)

Download PDF: 23.01.2026

ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>

12. *Abrahamia humbertii* (H. Perrier) Randrian. & Lowry, **comb. nova** (Fig. 11A-B).

≡ *Protorhus humbertii* H. Perrier in Mém. Mus. Natl. Hist. Nat. 18: 259. 1944.

Lectotypus (designated here): **MADAGASCAR. Prov. Antsiranana:** Rég. Diana, collines et plateaux calcaires de l'Ankarana, forêt tropophile, [12°54'S 49°08'E], XII.1937-I.1938, fl., *Humbert* 18793 (P [P00722645]!; isolecoto-: P [P00722646]!). **Syntypi:** **MADAGASCAR. Prov. Antsiranana:** Ankarana, [12°54'S 49°08'E], 300-350 m, XII.1937-I.1938, fr., *Humbert* 18963 (P [P00722648]!); *ibid. loco*, *Humbert* 18967 (P [P00722647]!).

Description

Trees 3-20 m tall, 5-13 cm DBH, bark with translucent latex; young twigs glabrous to pubescent towards the tips, with lenticels, waxy. *Leaves* opposite, deciduous; blades widely elliptic to elliptic or circular to obovate, 3-9 × 1.7-6 cm, subcoriaceous, apex emarginate, retuse, margin entire, base obtuse and oblique, adaxial surface glabrous or waxy, abaxial surface glabrous or sometimes with very scarce short indument, venation craspedodromous, midvein prominent abaxially, secondary veins 10-18 pairs, 2-6 mm apart, prominent abaxially, tertiary veins visible on both surfaces; petiole 7-15 mm long, canaliculate on adaxial surface, pubescent and waxy. *Inflorescence* axillary and terminal, a thyse, 1.5-3 cm long, branches flattened, pubescent. *Male and female flowers* 5-merous; pedicel c. 0.2-0.3 mm long, glabrous; calyx lobes widely depressed ovate, 0.5-0.7 × 1 mm, imbricate, glabrous on both surfaces, persistent on fruit; corolla lobes ovate, 2.5 × 1.5 mm, imbricate, adaxial surface glabrous, abaxial surface pubescent; stamens 5 or 6. *Male flowers* with filaments 1-1.5 mm long, glabrous, anthers 0.5-1 mm long, obloid to slightly ovoid, yellow, glabrous; disk cupuliform and crenulate, c. 1 mm in diam., glabrous; ovary rudimentary. *Female flowers* with filaments 1.5 mm long, glabrous, anthers 0.7-1 mm long, ovoid, sterile, yellow, glabrous; disk c. 1-1.5 mm in diam., glabrous; ovary widely to very widely ovoid, 1.5-2.5 × 1-2 mm, glabrous, placentation parietal or subapical; style trifid, apically inserted, c. 0.5 mm long, glabrous, stigmas capitate. *Fruits* 2.5-3 × 1.5-2 cm, ellipsoid, symmetrical or very slightly asymmetrical, glabrous, with longitudinal striations.

Vernacular names

"Taimbarika", "Mampisaraka".

Distribution, ecology and phenology

Abrahamia humbertii occurs in deciduous and dry forests in northwestern and western Madagascar (Map 2), particularly in several areas with karstic limestone (locally known as 'tsingy'), viz. Ankarana, Bemaraha, and Kasinga (Tamponketsa). Flowers have been collected in November and December, and fruits are known from November through March.

Conservation status

With an EOO of 22,183 km², a minimum AOO of 32 km², and 7 known locations, only 1 of which occurs within a protected area (Ankarana) whereas the others are very likely subjected to ongoing pressure from fire and forest degradation and clearing that is pro-

jected to lead to a reduction in quality of habitat, *A. humbertii* is assigned a preliminary conservation status of “Vulnerable” [VU B2(iii)] using the IUCN Red List Categories and Criteria (IUCN, 2012).

Notes The most distinctive character of *A. humbertii* that sets it apart from the other members of the genus is its widely elliptic to circular leaf shape.

Among the syntypes of *Protorhus humbertii*, we have selected *Humbert 18793* as the lectotype because it, along with the isoelectotype, comprise more complete specimens (albeit in flower) than the other collections cited in the protologue (*Humbert 18963* and *18967*), both of which are in fruit.

**Additional material
examined**

Madagascar. Prov. Antsiranana: Ankarana, env. du Campement des Anglais, 12°55'57"S 49°04'20"E, 180-225 m, 19.XI.1996, fr., *Andrianantoanina et al.* 1018 (G, MO, P, TAN); Ankarana, zone du lac Vert, 2.XI.1990, fl., *Bardot-Vaucoulon* 197 (P); Ankarana, camp des Anglais, 10.XI.1990, fl., *Bardot-Vaucoulon* 270 (P); *ibid. loco*, 25.XI.1990, fr., *Bardot-Vaucoulon* 338 (P); *ibid. loco*, 12°54'42"S 49°6'42"E, 180 m, 15.X.1997, fr., *Bardot-Vaucoulon* 762 (P); *ibid. loco*, *Bardot-Vaucoulon* 763 (MO, P, TAN); Ankarana, XII.1991, fl., *Foury s.n.* (P); Sakaramy, Montagne des Français, [12°26'S 49°16'E], 8.XI.1944, y. fr., *Homolle* 307 (P); Ankarana, near campement des Anglais, 12°54'S 49°08'E, 150 m, 29.I.1994, fr., *Leeuwenberg* 14345 (MO, P, TAN, WAG); Andranovondronina, Anjiabe, forêt de Belamoty, 12°06'09"S 49°19'34"E, 85 m, fr., *Ratovoson* 1154 (CNARP, MO, P, TAN); Ankara (= Ankarana), Jardin Botanique n° 8, [12°49'S 49°01'E], 28.XI.1952, fr., *Service Forestier* 6185 (P [2 sheets], TEF); S de Marotaolana (Anivorano-Nord), [12°49'30"S 49°15'30"E], 8.III.1964, fr., *Service Forestier* 23366 (P). **Prov. Mahajanga:** Antsalova, forêt de Tsiampihy et forêts cotières près de Besaraha, de Bemihia et de Soahanina, 0-20 m, 23.XII.1952, fl., *Leandri* 2240 (MO, P); Antsalova, env. de Besara, [18°40'S 44°15'E], 23.XII.1952, fl., *Service Forestier* 6863 (G, MO, P).



Fig. 11. *Abrahamia humbertii* (H. Perrier) Randrian. & Lowry (**A–B**) and *A. ibityensis* (H. Perrier) Randrian. & Lowry (**C**).

A. Detail of leaf base lower surface venation and fruits [Ratovoson 1154];

B. Fruits, from side [Ratovoson 1154]; **C.** Fruits, from side [Andriambololonera 314].

Photos: A–B: F. Ratovoson; C: F. Rakotoarivony